

Atomic Bomb Movies Shown By Scientist Jack DeMent

Future problems will not be determined as much by atomic energy as by the types of atomic weapons discovered after the Bikini atoll test, July 1, 1946. Mr. Jack DeMent, Portland's fluorescent-luminescence lighting expert, said last night to an audience of over 500 people in Chapman hall after a film showing of his official color pictures of the atomic explosion. Mr. DeMent was the youngest scientist to attend the tests.

"There exists," said Mr. DeMent, "a new type of atomic weapon consisting of radio active poison. It has enough power to wipe out present civilization 13 times over!"

The discovery of this new weapon was made after an underwater lagoon explosion during the Bikini test. The amount of radium, 100 tons, contained in the weapon, is considered to be the greatest quantity ever before discovered together in a single given moment. DeMent predicted that the central seat of value in coming years will be radium and uranium, the valuable minerals—elements discovered in pitchblende.

The Geiger-Mueller counter, a device for detecting atomic radiation through radio active substances, "represents a new era in civilization," said scientist DeMent. The counter was used during the test to detect amounts of atomic energy and will be invaluable in the future. The counter, shaped in the form of a head phone, depends on the ability of air to conduct electricity. Used in Bikini, the counter was also used to warn experimenters of invisible Gamma and Beta

rays, substances or cosmic rays which can kill without warning.

Mr. DeMent's picture showed the background and actual sound test experiments at Bikini. Aerial views as well as close-ups of the actual bomb tests were presented. Results of animals are now under the process of analysis. Closest picture taken was with an automatic camera containing a specially prepared chemical lens.

The actual roar of the explosion penetrated ten miles and made waves several hundred feet high. However, by the time the waves reached Bikini shores they were only six or eight feet high. Expanding clouds of spray were noted on ships a mile away, Mr. DeMent said.

"Like nothing under the sun," Mr. DeMent describes the power which can come of the factors within atomic energy. DeMent said that one of the most interesting aspects of the bomb is that it can be used in moving huge masses of earth. Predictions of the leveling of the Caspian sea, and turning the courses of rivers in certain locations have been made.

Mr. DeMent predicted that the great excitement over the atomic bomb revealed the many idiosyncracies in human nature, and stressed the fact that man must come to a greater understanding of his fellows in order to prevent disaster throughout civilization from misuse of atomic weapons.

Vets Forum

By JOHN JENSEN and DALE HARLAN

The following veterans are requested to report to the veterans' office in the basement of Johnson hall. James P. Norris, Edmund John Callahan, and George O. Custer.

Any relative of Roy Brooks, who is deceased, should contact Mr. Lynch at the VA in the physical education building. Any relative or relatives of Marjorie Ruth Bell or Richard Bell should likewise see Mr. Lynch.

Another list of veterans who are asked to see the VA in the physical education building:

Louis Kenneth Busch, Charles B. Herring, Thomas K. Guernsey, James G. Miller, Dixon A. Sheldon, and Ralph W. Rensik. The names of Ed Barthlemy, James B. Meek and Gordon L. Bolce have been printed so often that they will not be included in the spring term Emerald.

The VA guidance center in the physical education building is an invaluable veteran facility to students who feel hesitant in setting an occupational goal for themselves. The interviews and tests given the veteran evaluate his sharpness, of learning, his interest, aptitudes, emotional stability and achievement. All factors are considered and the appraiser finally aids the veteran in selecting the field in which it seems more likely that he will succeed.

The University guidance center is under the direction of faculty members of the University and comes as a free service to the veteran.

Oyster shells in colonial days were used widely as blast furnace flux.

Fellowship Offered To Mortar Board

The local Mortar Board chapter, headed by Jean Watson, has received the announcement this week from the national organization of the \$500 Katherine Wills Coleman fellowship, open to members of the senior women's honorary graduating in 1947.

The fellowship, awarded to seven girls over the past five years, will go to one or two applicants to be selected by a committee of national Mortar board officers.

Candidates must be unmarried and able to qualify as candidates for the master's or doctor's degree in an accepted graduate school.

Information and application blanks may be obtained from Mrs. Edward M. Williams, Mortar Board fellowship chairman, 191 South Franklin street, Wilkes-Barre, Pennsylvania, before December 1, 1946.

Winner of the 1946 award was Annette Harris, University of Texas, who will do graduate work in economics.

Bible Series Scheduled By Christian Fellowship

A series of special Bible studies is being sponsored this week by the University of Oregon Inter-University Christian fellowship, with meetings Tuesday through Friday in Room 206, Commerce hall from 4 to 5 p. m.

Herb Butt, regional director for the fellowship, and Rosalind Rinker, staff advisor, are now on the campus to lead the student discussions and conferences.

Private interviews may be arranged by calling Betty Gray at Judson house.

Radio Man to Speak

Speaker in Professor R. D. Millican's radio advertising class Thursday will be Norman Davis, commercial manager of Portland radio station KALE. The topic will be "How to Sell Radio Time."

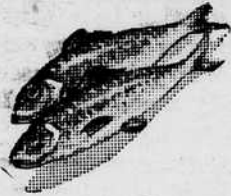
Mr. Davis will speak at the 8 a.m. class and Professor Millican invites also students not in the radio advertising class to attend.



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Mortar Board List Honors Freshman

Three freshman women with the highest cumulative grade point averages for the year 1945-46 were Charlene Thurston, Katherine Woodworth, and Olga Yevtich. These names will be added to the list of scholastically outstanding women honored annually on the Mortar Board plaque in the office of the dean of women, Jean Watson, Mortar Board president, has announced.

The students are all majors in liberal arts and attending the University this year.

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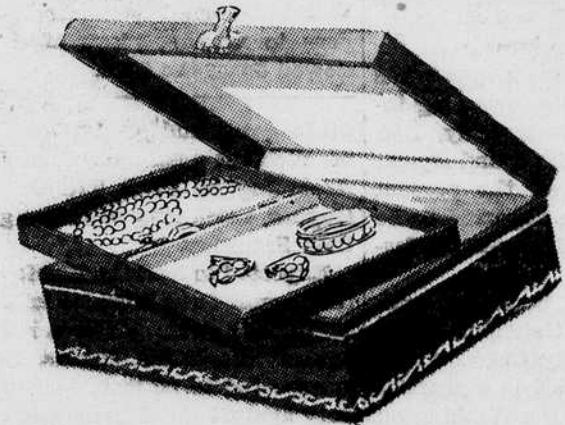


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